



FBA 8

VENEER SHEET SANDING MACHINE



THE WHOLE PRODUCTION OF
HEESEMANN SANDING MACHINES IS
LOCATED AT THE HEADQUARTERS IN
BAD OEYNHAUSEN, GERMANY.

HEESEMANN

SANDING WITH PASSION

Heesemann has produced sanding machines for industry and handicraft for more than 80 years.

Numerous essential and trend-setting innovations were made during this time, many of which are now industry standards. Heesemann has consistently provided new impulses to the sanding technology and developed it further.

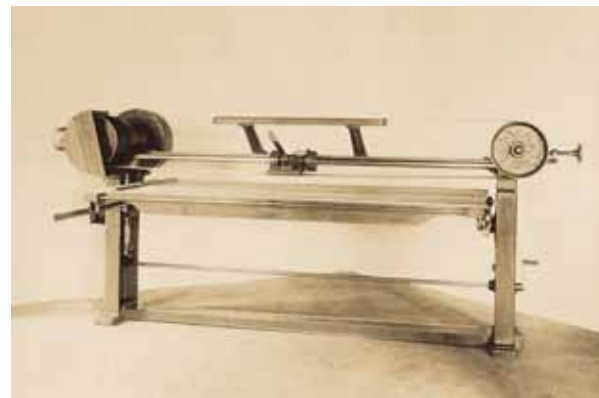
Our demand has always been to be the innovation leader in sanding technology and we do everything possible to comply with this demand.

Today Heesemann has about one hundred fifty employees in Bad Oeynhausen, Germany and is world market leader in the area of wood sanding machines. The production program includes machines for sophisticated handicraft as well as heavy duty industry machines.

A world-wide organized dealer network as well as distribution and service subsidiaries in the most important regions and markets provide appropriate contact persons on-site and guarantee short communication channels and highest-performance service.

We support our customers with diversified service offers covering the entire life-time of our machines. We offer all services starting with an extensive consultation, professional training of your staff and technical service up to functional upgrades.

*One of the first Heesemann
belt sanding machines.*





A SPECIAL VENEER SHEET GUIDANCE BY COMBINING PRESS-ON ROLLERS AND PRESS-ON LIPS ALLOWS ABSOLUTELY ACCURATE CALIBRATION AND CLEAN SANDING OF THE SURFACE.



650 mm / 1 350 mm
Sanding width



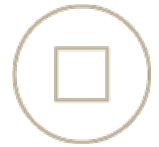
6 - 30 m/min
Feed speed



up to 4
Sanding units

FBA 8

VENEER SHEET SANDING MACHINE



With the Heesemann FBA 8 a machine for processing veneers with a thickness between 0.4 and 5 mm is available, fulfilling all demands on modern veneer production. The machine is conceived in a modular system and can be equipped with 1 to 5 units.

Height positioning for every roller unit is made by servodrives. This adjustment can also be made automatically und independently for each roller. The machine is operated by an Industrial PC.

The FBA 8 is available in working widths of 650 mm and 1,350 mm.



All Heesemann sanding machines are operated via an intuitive user interface based on Microsoft® Windows® on a touch screen device.



FBA 8

AVAILABLE UNITS

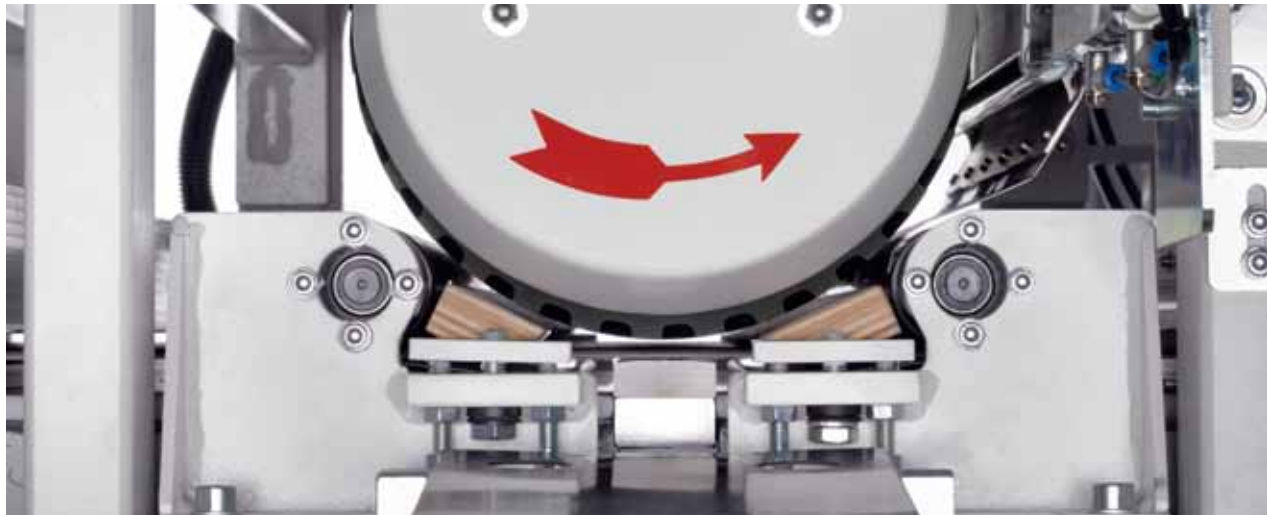


Contact roller

FBA 8

STANDARD FEATURES

- Transport table with constant working height.
- NC-controlled height adjustment.
- NC-controlled stock removal for all units.
- Automatic compensation of the sanding belt thickness.
- Infinitely variable feed speed within 6- 30 m/min.
- Graphic colour operating terminal with touch screen and programme memory for an optimum support of the operator.
- Ionization bar and rotating blasting nozzles for the cleaning of the work pieces.



Rubber-coated contact roller



Control for excessive work piece thickness



ACHTUNG!
Gefahr bei laufender Maschine!
Nicht in den Arbeitsbereich gehen!

ACHTUNG!
Danger when the machine is running!
Never reach into working area!

THE HEESEMANN CONTACT ROLLER UNITS ARE OFFERED WITH STEEL ROLLERS AS WELL AS WITH RUBBER-COATED ROLLERS IN DIFFERENT SHORE HARDNESS'S.



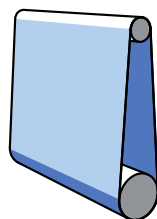
HEESEMANN CONTACT ROLLER UNIT

The Heesemann contact roller units are offered with steel rollers as well as with rubber-coated rollers in different Shore hardnesses.

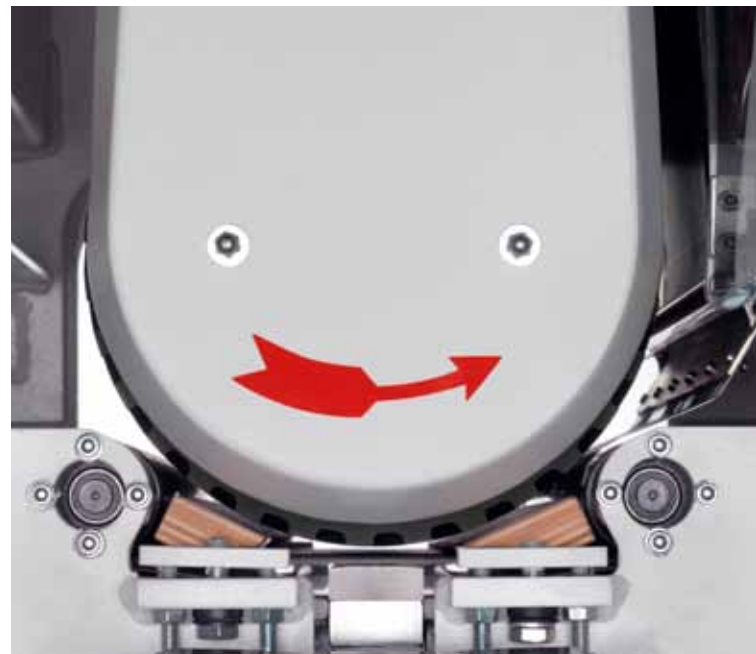
The contact roller unit with a 250 mm steel roller allows the exact calibration of veneer sheets. The surface of the roller is grooved in a spiral shape. This allows a better cooling of the roller and makes it easier to extract the generated abrasive dust.

Contact roller units with rubber-coated rollers can be delivered as well. Depending on their Shore hardness they can be used for varying sanding tasks.

A special veneer sheet guidance by combining press-on rollers and press-on lips above an optionally available water-cooled prism rail allows absolutely accurate calibration and clean sanding of the surface. A vacuum system for the work piece suction is not needed. This press-on system reduces the heating at the sanding process significantly. So an additional cooling is not required.



The veneer sheets are led over a prism rail by a combination of press-on lips and rollers.





FBA 8 CONTROL FOR EXCESSIVE WORK PIECE THICKNESS

The FBA 8 comes with a control for excessive work piece thickness off the shelf.



FBA 8

POLY-V DRIVE BELTS

The units are driven by a vibration-free poly-V belt. The profile of the drive belt is integrated into the most finely balanced drive roller (quality class G1, cf. car tyre G40). This way a permanently low vibration run is ensured. All bearings have been lubricated for life; this excludes maintenance errors in the selection of the lubricant and the lubrication intervals as well as assembly faults; any maintenance work is not required.



FBA 8

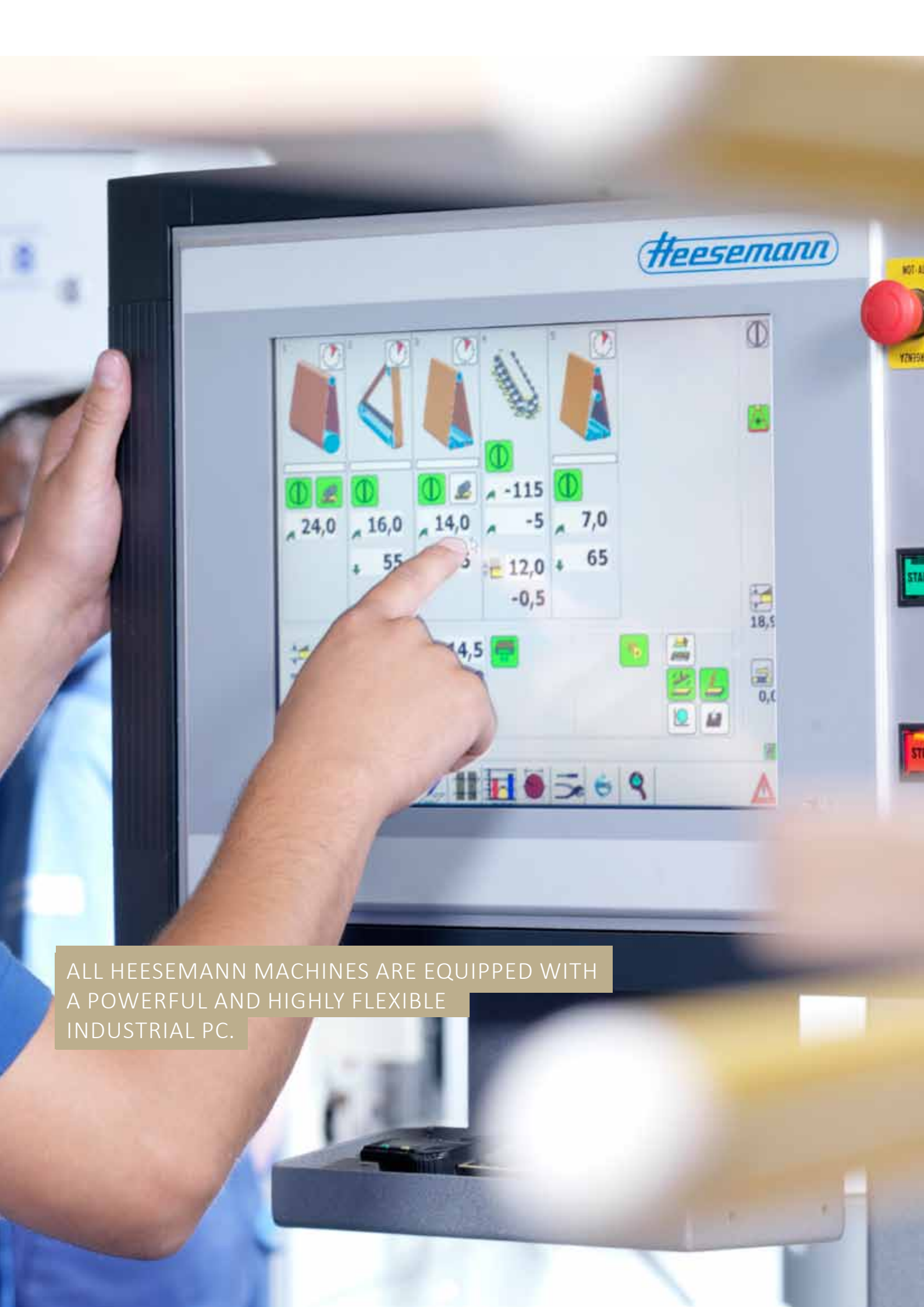
SANDING BELT CLEANING

All sanding units are equipped with a cleaning device that loosens the sanding dust from the sanding belt and makes it ascertainable for the dust extraction. This cleaning takes place directly after the sanding process has been completed so that the sanding belt does not move the sanding dust through the machine.



FBA 8 WORK PIECE CLEANING

For the removal of dust after processing the veneer sheet sanding machine FBA 8 is installed with a ionisation device and rotating blasting nozzles.



ALL HEESEMANN MACHINES ARE EQUIPPED WITH A POWERFUL AND HIGHLY FLEXIBLE INDUSTRIAL PC.

HEESEMANN

IPC WITH TOUCH SCREEN

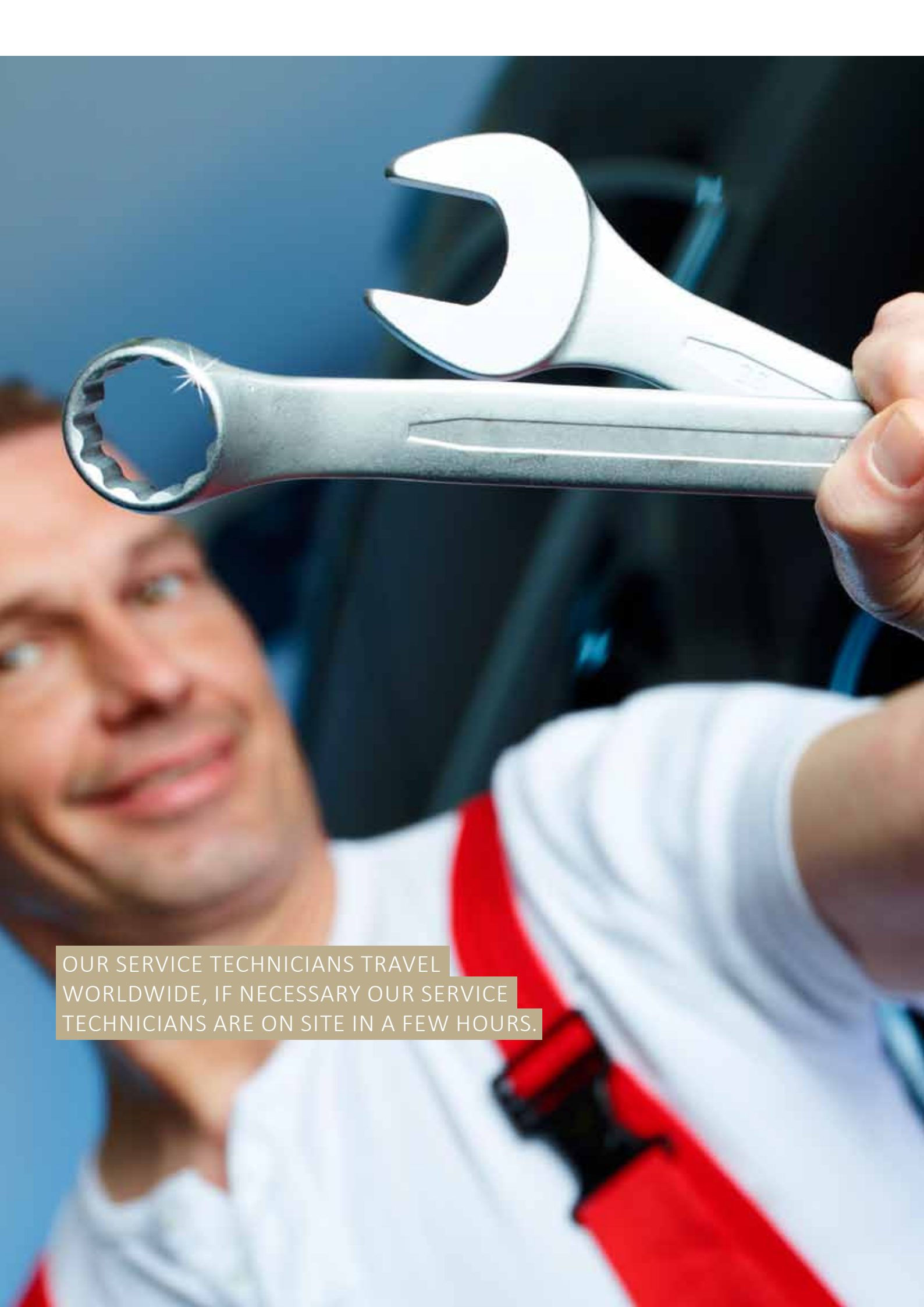
All Heesemann machines are equipped with a powerful and highly flexible industrial PC. All frequently repeated adjustment values are graphically displayed clearly on one screen page.

In addition, this industrial PC provides diversified applications for diagnosis and the ability to use peripheral equipment via standard interfaces. Furthermore, it can be connected to internal and external networks using Ethernet TCP/IP. The industrial PC acts like a web server and is diagnosable via standard browsers.

The industrial PC is available in a screen size of 10.4" or 15". The 15" model provides an additional operating data recording and is moveable to the operators' eye-level by a pivot mounted arm.



The industrial PC is available in 10.4" and 15" screen size.



OUR SERVICE TECHNICIANS TRAVEL
WORLDWIDE, IF NECESSARY OUR SERVICE
TECHNICIANS ARE ON SITE IN A FEW HOURS.

HEESEMANN

SERVICE - ONSITE WORLD-WIDE

As a manufacturer of technically mature and individual machines with a long machine life our customers' satisfaction is our highest priority. To prove our customers' confidence in our competence is one of our most important tasks.

Our technical customer service supports you discovering an effective solution for possible problems. If an advice by phone is insufficient, an online diagnosis via tele service can take place. If the intervention of a technician is necessary, no problem- our service technicians travel worldwide, if necessary our service technicians are on site in a few hours.

Heesemann offers their customers all classical service activities like installation, maintenance and repair. We ensure a fast supply of wear and spare parts by our extensive spare parts warehouse. In cooperation with our logistic partners we deliver worldwide, fast and reliable. Heesemann delivers original spare parts exclusively which meet our high demands in their fitting accuracy, material properties, durability and functionality.

Our inspection service provides a detailed evaluation of your machines' technical condition. On demand we prepare offers for further provisions, installation possibilities of latest sanding technology and control upgrades.

Such as our machines our customer service and spare parts are warrantors for quality and reliability "made in Germany".



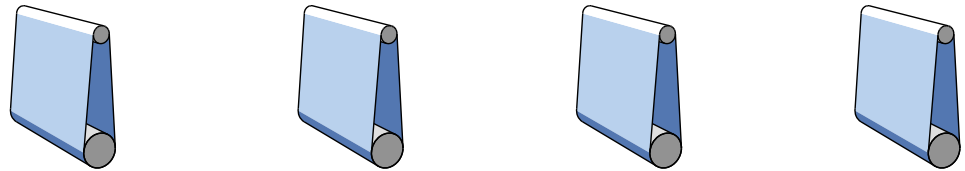
Service hotline:
+49 5731 - 188-0

*Our service team is available on working days
between 7 am and 5 pm.*



TECHNICAL DATA

FBA 8 - UNIT



Modules

	Contact roller (Steel)	Sanding roller (Rubber-coated)	Contact roller (Steel)	Sanding roller (Rubber-coated)
Working width	650 mm	650 mm	1 350 mm	1 350 mm
Belt dimensions	700 mm x 2 620 mm	700 x 2 620 mm	1 400 x 2 620 mm	1 400 x 2 620 mm
Ø Contact roller	250 mm	250 mm	250 mm	250 mm
Drive performance	11 kW	7.5 kW	22 kW	18.5 kW
Belt speed	24 m/s	24 m/s	24 m/s mm	24 m/s
Belt speed with frequency converter	0.5 - 24 m/s	0.5 - 24 m/s	0.5 - 24 m/s	0.5 - 24 m/s

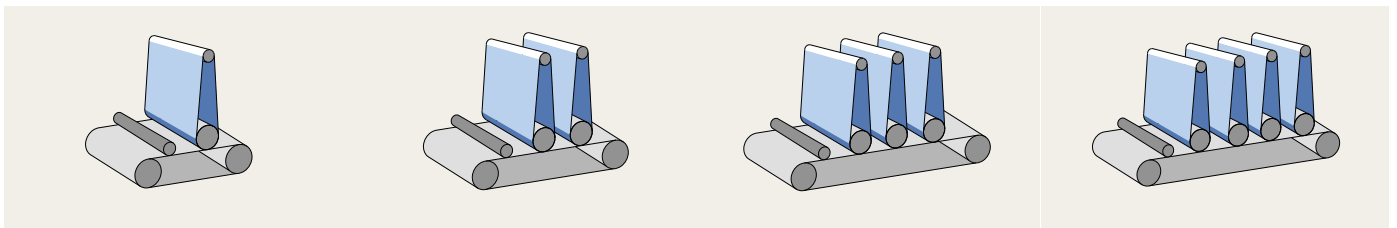


650 mm	1 500	1 850	550
1 350 mm	2 200	1 850	550

Subject to technical modifications.

MACHINE CONFIGURATIONS

FREQUENTLY CHOSEN





PRODUCT MATRIX





SURFACE SANDING MACHINES



	Sanding width	Feed speed	Sanding units
HSM	1 300 mm	3 - 15 m/min	2 or 3
MFA Impression	1 350 mm	3 - 15 m/min	up to 4
MFA10	1 350 mm	5 - 25 m/min	up to 6
BM 8	1 350 mm	5- 25 m/min	up to 6
LSM 8	1 300 mm / 1 400 mm	5 - 25 m/min	up to 6
KSA 8	1 600 mm - 2 600 mm	5 - 25 m/min	up to 6
FBA 8	650 mm / 1 350 mm	6 - 30 m/min	up to 4



Karl Heesemann Maschinenfabrik GmbH & Co. KG
P. O. Box 10 05 52, 32505 Bad Oeynhausen
Reuterstraße 15, 32547 Bad Oeynhausen
Germany
Phone: +49 5731 188-0
Fax: +49 5731 188-129
www.heesemann.com
sales@heesemann.de

-  Surface sanding machines for wood
MFA Impression, MFA 10, LSM 8, KSA 8, BM 8, FBA 8
-  Surface sanding machines for metal
MSM 10
-  Edge and profile sanding machines
UKP 20
-  Sanding machines for 3D processing
BM 8, UKP 20